

409.1D2.TXT

SEQUENCE LISTING

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<110> Barbas, Carlos F.
Burton, Dennis R.
Lerner, Richard A.
<120> Methods for producing antibody libraries
    using universal or randomized immunoglobulin light chains
<130> TSRI 409.1D2
<140> US 09/610,551
<141> 2000-07-05
<150> US 08/931,645
<151> 1997-09-16
<150> US 08/300,386
<151> 1994-09-02
<150> US 08/174,674
<151> 1993-12-28
<150> US 07/826,623
<151> 1992-01-27
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Ser Ser Thr Lys Ile Met Arg Leu Asp Thr

27

18

25

21

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409.1D2.TXT
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Trp Val Arg Gln Ala Thr Gly Gln Gly Leu Glu Trp Ile Gly Trp Ile 35

Thr Asn Arg Gly Thr Thr Ser Arg Tyr Ala Gln Lys Phe Gln Gly Arg 50 60

Val Thr Met Thr Arg Asp Ala Ser Ile Ser Thr Val Tyr Met Glu Leu 65

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Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly 50
Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp 65
Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Phe Thr Phe 85
Cys Pro Gly Thr Lys Val Asp Ile Lys Arg Thr

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35 40 45
Ser Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly 50 60
Ser Gly Ser Gly Thr His Phe Thr Leu Thr Ile Asn Ser Leu Gln Pro 65 70 75 80
Gly Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Thr Tyr Ser Ser Pro Phe
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Thr Phe Cys Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr
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35 40 45
Tyr Thr Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Arg Gly
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Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp
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Glu Leu Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
                                           10
Asp Arg Val Thr Ile Ser Gly Cys Arg Ala Ser Gln Asn Ile Gly Lys 20 25 30
Tyr Ile Asn Trp Tyr Arg Gln Lys Pro Gly Lys Ala Pro Glu Leu Leu
                                 40
                                                        45
Ile Tyr Gly Thr Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser
                            55
Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
65
                       70
Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
                   85
                                           90
Trp Thr Phe Cys Gln Gly Thr Lys Val Glu Ile Lys Arg Thr
              100
<210> 71
<211> 11
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthesized
<400> 71
Arg Ala Ser Ser Asn Ile Ser Ser Tyr Ile Asn
<210> 72
<211> 11
<212> PRT
<213> Artificial Sequence
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Arg Ala Ser Glu Asn Ile Ser Ser Tyr Ile Asn
<210> 73
<211> 72
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthesized
<221> modified_base
<222> 1, 2, 4, 5, 7, 8, 10, 11, 13, 14, 16, 17, 19, 20, 22, 23,
25, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44,
46, 47, 49, 50, 52, 53, 55, 56, 58, 59, 61, 62, 64, 65,
67, 68, 70, 71
<223> N = G, A, T, or C
<221> modified_base
<222> 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45,
                                              Page 19
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409.1D2.TXT
48, 51, 54, 57, 60, 63, 69, 72 <223> k = G or T
<221> misc_feature
<222> (1)...(72)
<223> This sequence may encompass 3 to about 24 repeats
      of the NNK nucleotide motif
nnknnknnkn nk
<210> 74
<211> 72
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthesized
<221> modified_base
<222> 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, 49, 52, 55, 58, 61, 64, 67, 70
<223> M = A or C
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<222> 2, 3, 5, 6, 8, 9, 11, 12, 14, 15, 17, 18, 20, 21, 23, 24, 26, 27, 29, 30, 32, 33, 35, 36, 38, 39, 41, 42, 44, 45, 47, 48, 50, 51, 53, 54, 56, 57, 59, 60, 62, 63, 65, 66, 68, 69, 71, 72
<223> N = G, A, T, or C
<221> misc_feature
<222> (1)...(72)
<223> This sequence may encompass 3 to about 24 repeats
      of the MNN motif
<400> 74
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mnnmnnmnnm nn